Amendments to the Claims:

CLAIMS

1.   **(Currently amended)** A heat exchanger comprising:

a pair of tanks;

a plurality of tubes disposed between said pair of tanks; and

fins disposed between said tubes, with said pair of tanks made to communicate with each other via said tubes having open ends on the two sides thereof along the length of said tubes inserted at insertion holes formed at said tanks and the respective widths ~~width~~ of ~~a~~ specific areas ~~area~~ of said tubes along the axes of said tanks set greater than an equivalent diameter of each of said tanks at a ~~corresponding to said tank~~ passage section thereof,

wherein $15 \leq L/Dt \leq 42$ is true with Dt representing the equivalent diameter at ~~corresponding to~~ said ~~tank~~ passage section of each of said tanks and L representing the length of a longest path ranging from a coolant entrance to the open end of each of said tubes.

2.   **(Currently amended)** A heat exchanger according to claim 1,

wherein with S representing the flow passage area inside each of said tanks, $20\ mm^2 \leq S \leq 50\ mm^2$ is true.

3.   **(Currently amended)** A heat exchanger according to claim 1,

wherein with S representing the flow passage area inside each of said tanks, P representing the length of the inner circumference of each of said tanks and Sc representing the area of a circle with the circumference P, $S \geq Sc \times 0.7$ is true.

4.   **(Currently amended)** A heat exchanger according to claim 1,

wherein said tubes adopt a twisted structure so that the width along the direction of airflow ~~axes of said tanks~~ is greater than the width along the axes of said tanks ~~direction of airflow~~ over central areas of said tubes along the length thereof and the width along the axes of said

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tanks~~direction of airflow~~ is greater than the width along the <u>direction of airflow</u>~~tank axes~~ at tube openings on the two sides thereof.

5.   **(Currently amended)** A heat exchanger according to claim 2,

wherein with S representing the flow passage area inside <u>each of</u> said tanks, P representing the length of the inner circumference of<u>each of</u> said tanks and Sc representing the area of a circle with the circumference P, $S \geq Sc \times 0.7$ is true.

6.   **(Currently amended)** A heat exchanger according to claim 2,

wherein said tubes adopt a twisted structure so that the width along the<u>direction of airflow</u> ~~axes of said tanks~~ is greater than the width along the <u>axes of said tanks</u>~~direction of airflow~~ over central areas of said tubes along the length thereof and the width along the <u>axes of said tanks</u>~~direction of airflow~~ is greater than the width along the<u>direction of airflow</u>~~tank axes~~ at tube openings on the two sides thereof.

7.   **(Currently amended)** A heat exchanger according to claim 3,

wherein said tubes adopt a twisted structure so that the width along the<u>direction of airflow</u> ~~axes of said tanks~~ is greater than the width along the <u>axes of said tanks</u>~~direction of airflow~~ over central areas of said tubes along the length thereof and the width along the <u>axes of said tanks</u>~~direction of airflow~~ is greater than the width along the<u>direction of airflow</u>~~tank axes~~ at tube openings on the two sides thereof.